



CHP Workshop 11-13-2014

EKU - Richmond. KY



<http://recastenergy.com/>

Louisville Coal-to-Biomass Conversion

Pre-Conversion



- ▶ Acquired existing facility in Louisville's "Rubbertown" 2010.
- ▶ Provide process steam to Lubrizol and Zeon Chemicals
- ▶ 240,000 lb/hr of steam capacity
- ▶ 24/7 operations
- ▶ Existing 180,000 lb/hr coal boiler converted to biomass completed September 2012.
- ▶ Will consume approximately 75,000 tons/yr of woody biomass
- ▶ Natural gas back-up (primary during construction)
- ▶ \$12MM investment
- ▶ Reducing emissions of sulfur by 97% and nitrous oxide by 50%

Biomass sources and strategies

Urban sources

Industrial sources

Manufacturing sources

Mills

Forestry residuals

Consistent

Seasonal







Utility maintenance residuals



Forestry Residuals



Mill Residuals



Recast Energy Woody Bio-Mass
Truck Arrives





Kentucky CHP Program Workshop –November, 2014

